
9 Acceptance and Release for Shipment

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Transportation

CHAPTER NINE:

ACCEPTANCE AND RELEASE FOR SHIPMENT

If all other requirements have been met and the structural member meets the minimum 28 day compressive strength requirements, the structural member may be accepted for shipment. If the Contractor elects to ship a structural member prior to 28 days, sufficient test specimens are required to be made to assure adequate 28 day compressive strength. If all other requirements have been met and a member fails to meet the minimum 28 day compressive strength requirement, the member is rejected. The compressive strength is determined by breaking test cylinders made at the time the member was cast. These cylinders are required to be cured in the identical manner as the member was cured. The average of three test cylinders from one cylinder set is used. Coring the structural member to obtain a test specimen is not allowed.

BREAKING TEST SPECIMENS

Because testing at elevated temperatures may have an adverse effect on the strength of the concrete, cylinders removed directly from steam curing are cooled to ambient temperature prior to testing. The test cylinders are tested in accordance with AASHTO T 22.

STOCKPILED MATERIAL

Once all structural members have been sealed and all certifications and ship loose materials accounted for, the members may be stored. The Contractor may request payment for stockpiled materials in accordance with Section **111.03 (b)**. Notification is sent to the PE/PS that the members are stockpiled and have met the testing requirements.

ACCEPTANCE FORMS

The Technician is required to complete the acceptance forms IT-573 (Yellow Card), IC 734, IC 735, IC 736, and IC 737 (Appendix A).

IT 573 (YELLOW CARD)

The primary purpose of form IT 573 is to assure the PE/S that the member has been inspected, tested, and accepted prior to shipment. For each member accepted for shipment, the Technician is required to complete one copy of form IT 573 (Figure 9-1) and send this form to the PE/S at the time of shipment. The camber of each member measured just prior to shipping is recorded on Form IT 573. The date poured, date sealed, and date each member is shipped is also

recorded on this form. If the member is shipped before 28 days and/or without being sealed, this information is noted on the form. The number of each accepted member is also reported on the form. The original IT 573 is shipped with the structural member. A copy of each IT 573 is made and placed in the contract file and e-mailed by the Fabricator Supervisor to the PE/S.

Form BM-573		Fabricator No. L/D/M 9999	
		Contract No. I R - 9 9 9 9 9	
SiteMgr Report No.	R 1 2 5	4 7 3 5	9 9 9 9 9
	Yr. District	Submitter	Sequence
INDIANA			
DEPARTMENT OF TRANSPORTATION			
Division of Materials and Tests		No. 4 7 3 5 9 9 9 9	
Material:	9 4 9 9	54" Hybrid Bulb Tee	
SiteMgr. Material Code:	7 0 7 M 0 0 0 2 0		
Producer:	8 5 0 2	Prestress Services Industries	
Location:	5501 Briar Hill Road, Lexington, KY 40516		
Date Poured:	September 9, 1999	Beam ID:	MK999-9
Date Shipped	October 10, 1999	Camber:	2" 3 1/4"
Date Sealed	At Job Site or 10/9/99	Release	Ship
This material has been INSPECTED			
prior to shipment, but may be registered at any time before use, and rejected if unsatisfactory			
Signed:		<i>Fabrication Supervisor Signature</i>	

Figure 9-1. Sample IT-573 (Yellow Card)

IC 734

After the structural member for each bed or pour has been inspected and the specified 28 day compressive strength has been obtained, form IC 734 is required to be completed. All members constructed for a specific contract are reported on form IC 734 whether or not the member has been accepted. If any member is rejected, the reason for the rejection is noted under the "Remarks" section.

Form IC 734 is distributed with the following certifications and documents:

- 1) Type A Certification for the seven wire strand
- 2) Type B Certification for Elastomeric Bearings, Laboratory Report for Elastomeric Bearings (which is the Basis-For-Use for this item) and Mill Certifications for Elastomeric Bearings
- 3) Receipts of concrete materials used for that contract
- 4) Letter from the Fabricator detailing the concrete sealer from the Approved List that was used to seal the structural members
- 5) Documents for the steel diaphragm connectors/angles which includes high strength bolts, nuts, and washers. Other documents for rotational capacity, the mill report, and galvanization are also attached, when applicable.
- 6) Certifications for any other materials when required by the specifications or Special Provisions
- 7) All correspondence received and submitted pertaining to the structural members
- 8) All reports detailing repairs done to any of the members

Forms IC 734 and IC 735 are attached in SiteManager with all required certifications. An e-mail is sent to the PE/S and DTE with the IC 735 attached, indicating that the entries in SiteManager with the attachments are complete. The SiteManager report number is included in the correspondence. One copy with the certifications and additional documentation is retained in the file of the Technician.

The Fabrication Supervisor has blank copies of all of the forms. The excel spreadsheet contains formulas in certain cells in the form. The cells with formulas are highlighted and will automatically calculate the necessary values when the other information is entered. The Fabrication Supervisor will format the spreadsheet with information relative to each plant.

IC 737

Before tensioning begins, form IC 737 is completed which details stressing materials and computations. A copy of this form is placed in the file of the Technician.

IC 736

As members are being stressed, the resulting data is recorded on form IC 736. This form summarizes the actual jacking measurements for each structural member. A copy of this form is placed in the file of the Technician.

IC 735

When structural members are ready to be shipped, the camber, sweep, and plumb are required to be measured again. At this point, form IC 735 is completed. This form summarizes all inspection data and includes the Yellow Card number and the date shipped. The IC 735 is filed in SiteManager and a copy placed in the file of the Technician.

POUR SHEET

The form for tracking information during the concrete pour until the 28 day cylinder breaks are made and the structural members are sealed is designated on the Pour Sheet. A Pour Sheet is used for each concrete pour, and the information added to forms IC 734 and IC 735.